adinstbpm

	2021-3				2021-4				2021-5				2021-6				2021-7				2021-8			
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
AD Instrumentation	**AD Instrumentation**
adinstbpm	
Booster operational test of one crate (...)	New
Booster BPM ACNET Interface	Work in progress
ACNET device BPM Numbers (0x0017)	Work in progress
ACNET device BPM Offsets (0x0016)	Resolved
ACNET device BPM Digitizer (...)	Resolved
ACNET device BPM Turn-by-Turn (...)	Work in progress
ACNET device BPM Single Turn (...)	Resolved
ACNET device BPM Single Turn (...)	Resolved
ACNET device BPM Turn-by-Turn (...)	Resolved
ACNET device BPM Average Position (...)	Work in progress
ACNET device BPM Orbit Group (...)	Work in progress
ACNET device BPM Closed Orbit (...)	Resolved
ACNET device BPM Orbit Correction (...)	Work in progress
bpmd error facility	Work in progress
Verify DAQ operation with at least (...)	Work in progress
Support for flash-turn and flash-orbit (...)	Work in progress
Support for DMA transfers from (...)	New
Locking mechanism for shared memory (...)	Resolved
Create ACNET devices for B38 and (...)	Resolved
Test B38 and B40	Work in progress
Driver for Booster BPM transition (...)	Resolved
Support flagging that data could (...)	Resolved
No beam threshold	Resolved
Implement Booster BPM scaling	Resolved
Configure BPMs for test stand at (...)	Work in progress
Why do soft reboots sometime hang?	New

Implement polynomial scaling	**Resolved**
bpmcli command to reload bpmd.conf	**Assigned**
Refactor to use getopt	**Resolved**
Support BPM lists in dump commands	**Resolved**
Refactor bpmcli 'abort' command (...)	**Resolved**
Refactor bpmcli 'arm' command to (...)	**Resolved**
Refactor bpmcli 'dump_flash_history' (...)	**New**
Refactor bpmcli 'help' command (...)	**New**
Refactor bpmcli 'readout' command (...)	**Resolved**
Refactor bpmcli 'show' command (...)	**Resolved**
Refactor bpmcli 'shutdown' command (...)	**Resolved**
bpmcli commands for enabling/disabling (...)	**Work in progress**
Improvements to bpmcli	**New**
Booster BPM State Machine	**Work in progress**
Support for GigE ADCs	**New**
x86 support for Technobox XMC GigE (...)	**Work in progress**
IOTA BPM deployment	**New**
IOTA ACNET Interface	**New**
Crate status and control device	**Work in progress**
Support for 4-channel 2-dimensional (...)	**Resolved**
Startup despite missing timing (...)	**Resolved**
Adapter for NML timing module	**Work in progress**
Adapter for IOTA DAQ module	**Resolved**
IOTA State Machine	**Resolved**
Functional specification document	**Assigned**
The number of samples argument (...)	**New**
Control message queue is not destroyed (...)	**Resolved**
Enter BPMs into bpmd.conf	**Resolved**
Create separate "stable" branches (...)	**Resolved**
IOTA BPM TBT Array Device	**Assigned**
ACNET device for Arming IOTA BPMs	**Assigned**
BPM-level delay configuration	**New**
Separate IOTA ACNET code from BoosterBPMACNETG (...)	**Work in progress**
Orbit structure device for IOTA (...)	**Work in progress**

Support multiple sets of coefficients (...)	New
TCLK-driven arm and TBT readout (...)	New
Request ethernet connection for (...)	Resolved
Request ACNET node assignment	Resolved
BPM Diagnostics Application	New
ACNET interface for adjusting TSG and (...)	Assigned
Deploy IOTA BPM hardware	New
Booster BPM deployment	New
Gather crate and CPU MAC addresses (...)	Work in progress
Request ethernet connection for (...)	Assigned
Request ethernet connection for (...)	Assigned
Request ethernet connection for (...)	Assigned
Request ethernet connection for (...)	Assigned
Request ACNET node assignment for (...)	Work in progress
Request ACNET node assignment for (...)	Work in progress
Request ACNET node assignment for (...)	Work in progress
Request ACNET node assignment for (...)	Work in progress
bpmd.conf for BBPL15	New
bpmd.config for BBPL15	New
Change node name for all BBPM15 (...)	Resolved
Change node name for all BBPM06 (...)	Resolved
Change node name for all BBPM21 (...)	Resolved
Change node name for all BBPM12 (...)	Resolved
Change node name for all BBPM18 (...)	Resolved
Change node name for all BBPM24 (...)	Resolved
Snapshot plot support for Booster BPMs	Assigned
PIP2IT BPM Project	New
Refactor to store positions inside (...)	New
Position calculation thread	New
IPC to broadcast events from bpmd	New
Support GigE readout	New
Python API for accessing BPM data	New
Merge iota_stable, booster_stable	New
Support for I&Q, phase space data (...)	New

Support displaying bpmd broadcasts	**New**
Support displaying data in gnuplot	**New**
RMS analysis process	**New**
Interactive bpmcli	**New**
Support for Analysis Processes	**New**
Support rack-mount server architecture	**New**
Review request [commit:9d6fb8c32be2b760ee7030952e2908551c178991: (...)	**New**
Missing Mutual Exclusion with linked (...)	**New**
TRACE buffer levels need to be in enumeration	**New**